

IN THE CLAIMS

Claims 1, 3-48, and 50 are amended.
Claim 49 is canceled without prejudice.
Claim 51 is new.

The following claim listing replaces all prior versions and listings of claims in the application:

1. (Currently Amended) An active messaging system in communication with a short text messaging service of a digital cellular telephone system, comprising:

an active messaging client stored in a computer-readable medium of a digital cellular telephone, wherein the active messaging client includes an active message file manager ~~that configured to~~ at least one of add[[s]], remove[[s]] or rename[[s]] an active message application, and wherein the active messaging client ~~is configured to providing interpretation and execution~~ interpret and execute of an active message script included in a short text message received at the digital cellular telephone by radiant transmission, and wherein the active messaging client ~~employs~~ is configured to employ ~~aan~~ user interface to create at least one of an active message or an application, wherein the user interface ~~displays~~ is configured to display the active message script ~~provided by an active message script composition software as an a displayed~~ application specified by a user, wherein the active message script comprises at least one command to facilitate an on-going negotiation between two or more users, wherein the at least one command is to:

~~at least one of~~ rerun a prior active message script with a starting parameter different than a previous starting parameter[[,]] or

rerun a previously-installed active message script with a different the starting parameter ~~to facilitate an on-going negotiation between two or more users; and~~

an active message gateway configured to be in ~~communication~~ communicatively linked with the short text messaging service to receive short text messages from the digital cellular telephone and selectively forwarding the short text messages according to whether the short text messages ~~they~~ include an the active message script or one or more other active message scripts, wherein the active message gateway ~~creates~~ is configured to create active messages containing installable active message scripts for applications ~~that are transmitted to and installed on the digital cellular telephone.~~

2. (Canceled)

3. (Currently Amended) The active messaging system of claim 1, ~~wherein in which each~~individual short text messages include[[s]] a header, and ~~wherein~~ the short text messages that have an active message script include an indication of the active message script in the header.

4. (Currently Amended) The active messaging system of claim 1, ~~wherein in which the~~ active messaging client includes an active message interpreter to which ~~the~~an active messaging loader directs short text messages that include an active message script, ~~wherein~~ the active message interpreter ~~providing is configured to provide~~ interpretation and execution of the active message script.

5. (Currently Amended) The active messaging system of claim 1, ~~wherein in which the~~ active messaging client includes ~~an~~ active message file manager to which ~~the~~an active messaging loader directs short text messages that include an active message script, ~~wherein~~ the active message file manager ~~providing is configured to provide~~ storage of the active message script in a file system included on the digital cellular telephone.

6. (Currently Amended) The active messaging system of claim 1 in which the active messaging client includes an active message interpreter ~~that receives~~configured to receive the active message script and ~~provides~~perform interpretation and execution of the active message script.

7. (Currently Amended) The active messaging system of claim 1, ~~in which~~wherein the active messaging client includes an active message file manager ~~that receives~~configured to receive the active message script and ~~provides~~provide storage of the active message script in a file system included on the digital cellular telephone.

8. (Currently Amended) The active messaging system of claim 1 further comprising one or more application servers in communication with the active message gateway, ~~each of the one or more~~individual application servers providing an active message application or service in response to a request directed from the digital cellular telephone.

9. (Currently Amended) The active messaging system of claim 8, ~~wherein in which~~ the active message gateway includes an active messaging connector service that provides communication between the short text messaging service and one or more active message service interfaces to the one or more application servers.

10. (Currently Amended) A ~~computer~~ computer-readable medium embodying computer-executable instructions which, when executed by a processor, implement ~~of a digital cellular telephone, the computer readable medium embodied with an active messaging client software for active messages transmitted via a short text messaging service, comprising:~~

~~active messaging loader software that distinguishes and directs~~ configured to distinguish and direct short text messages ~~received by the~~ to a digital cellular telephone according to whether the short text messages ~~they~~ include an active message script, wherein the active message script comprises at least one command to facilitate an on-going negotiation between two or more users, wherein the at least one command is to:

~~at least one of~~ rerun a prior active message script with a starting parameter different than a previous starting parameter, or

rerun a previously-installed active message script with a ~~the different starting parameter to facilitate an on-going negotiation between two or more users;~~

~~active message interpreter software employed by the digital cellular telephone to which the active messaging loader directs short text messages that include an active message script, the active message interpreter software providing interpretation and execution~~ configured to interpret and execute ~~of the active message script, the active message script~~ transmitted from an active message gateway ~~installs~~ configured to install applications onto the digital cellular telephone, wherein the installed applications are executed from a phone menu at least ~~one of~~ in part or completely on the digital cellular telephone;

~~an active message file manager that at least one of adds, removes, or renames an active message application;~~

~~active message script composition software~~ configured to function as a compiler that generates to generate ~~at least one of an active message or an application based in part on the active message script; and~~

~~a user interface that displays an~~ configured to display the active message script provided by the active message script composition software as an application specified by a user.

11. (Currently Amended) The medium of claim 10, wherein individual ~~in which each short text message~~ messages ~~includes~~ include a header, and

wherein ~~the~~ short text messages that have an active message script include an indication of ~~the~~ active message script in the header.

12. (Currently Amended) The computer-readable medium of claim 10 further ~~including~~ comprising active message file manager software to which the active messaging loader directs one or more of the short text messages that include ~~an~~ active message script, wherein the active message file manager ~~providing~~ is configured to provide storage of the active message script in a file system included on the computer-readable medium.

13. (Currently Amended) The computer-readable medium of claim 10, wherein ~~in which~~ the digital cellular telephone includes a subscribed identity module with ~~a~~ an identity module computer-readable medium in which the active messaging loader software and the active message interpreter software are stored ~~on the computer-readable medium of the subscriber identity module~~.

14. (Currently Amended) The computer-readable medium of claim 10, wherein in which active message interpreter software includes a global string buffer (GB) that is used for building character strings and a last result buffer (LRB) that is used for storing a most recent result.

15. (Currently Amended) The computer-readable medium of claim 10 in which the active message script includes text strings and jumps, wherein all text strings are prefixed with their byte-size and all jumps are made to specific byte locations within the active message script.

16. (Currently Amended) The computer-readable medium of claim 10, wherein ~~in which~~ the active message script has ~~are~~ a format comprising:

<Instruction><Flags>[<Data>] [<Address>],
wherein the <Instruction> field specifies a command to be executed, the <Flags> field specifies one or more options for the command, the <Data> field specifies any data associated with the command, and the <Address> field is a byte-address of an instruction to be executed under predefined conditions related to the command.

17. (Currently Amended) A computer-readable medium of a digital cellular telephone, the computer-readable medium embodying computer-readable instructions which, when executed by a processor, implement ~~embodied with an~~ active message script data structure for active messages transmitted from an active messaging gateway, the messaging gateway configured to install applications onto the digital cellular telephone via a short text messaging service, wherein the applications are ~~executed~~ executable from a phone menu ~~at least one of in part or completely on~~ associated with the digital cellular telephone and an active message script provided by an active message script composition software as an application specified by a user displayed via a user interface, wherein the active message script comprises at least one command to facilitate an on-going negotiation between two or more users, wherein the at least one command is to:

~~at least one of~~ rerun a prior active message script with a starting parameter different than a previous starting parameter, or

rerun a previously-installed active message script with ~~a the~~ different starting parameter to ~~facilitate an on-going negotiation between two or more users,~~

wherein the active message script data structure comprising comprises the following instruction format:

<Instruction><Flags>[<Data>] [<Address>],

wherein the <Instruction> field is one byte in size and specifies a command to be executed, and wherein the <Flags> field is one byte in size and specifies one or more options for the command, and wherein the <Data> field specifies any data associated with the command, and wherein the <Address> field is two bytes in size and is a byte-address of an instruction to be executed under predefined conditions related to the command.

18. (Currently Amended) The computer-readable medium of claim 17, further including a print instruction associated with the instruction field for printing a text string, destination flags associated with the flag field specifying whether the text string is to be printed to from a memory buffer, and ~~a another~~ text string associated with the data field and representing the text string ~~to be printed~~.

19. (Currently Amended) The computer-readable medium of claim 17, further including an input instruction associated with the instruction field for printing a text string and requesting input from a user, content identification flags associated with the flag field optionally specifying the text string is to be printed, and ~~a another~~ text string associated with the data field and optionally representing the text string to be printed.

20. (Currently Amended) The computer-readable medium of claim 17, further including a select instruction associated with the instruction field for printing a plurality of text strings, destination flags associated with the flag field specifying a location to which a user selection is to be returned, and plural text strings associated with the data field and representing the plural text string to be printed.

21. (Currently Amended) The computer-readable medium of claim 17, further including a condition instruction associated with the instruction field for comparing a pair of condition strings and jumping to a specified address when the pair of condition strings satisfies a predefined condition, flags associated with the flag field optionally specifying one of the condition strings and optionally specifying the predefined condition, and a text string associated with the data field and optionally representing one of the condition strings.

22. (Currently Amended) The computer-readable medium of claim 17, further including a send message instruction associated with the instruction field for transmitting a short text message, destination flags associated with the flag field optionally specifying a destination for the short text message, and a text string associated with the data field and optionally specifying a destination for the short text message.

23. (Currently Amended) The computer-readable medium of claim 17, further including a call instruction associated with the instruction field for initiating a telephone call, destination flags associated with the flag field optionally specifying a telephone number for the telephone call, and a text string associated with the data field and optionally specifying a telephone number for the telephone call.

24. (Currently Amended) The computer-readable medium of claim 17, further including a location instruction associated with the instruction field for obtaining location information about a location of the digital cellular telephone, and a destination flag associated with the flag field optionally specifying where the location information is to be stored.

25. (Currently Amended) The computer-readable medium of claim 17, further including an execute instruction associated with the instruction field for initiating execution of an active message file stored on the digital cellular telephone, a file identification flag associated with the flag field optionally identifying the active message file to be executed, and a text string associated with the data field and optionally identifying the active message file to be executed.

26. (Currently Amended) The computer-readable medium of claim 17, further including an execute instruction associated with the instruction field for initiating execution of an active message file stored on the digital cellular telephone, a file identification flag associated with the flag field optionally identifying the active message file to be executed.

27. (Currently Amended) The computer-readable medium of claim 17, further including a goto instruction associated with the instruction field for directing execution of the active message script to jump to a specified byte location in the script, and a byte address flag associated with the address field for identifying the byte location for the script to jump to.

28. (Currently Amended) The computer-readable medium of claim 17, further including an addressbook instruction associated with the instruction field for directing retrieval of information from an addressbook stored on the digital cellular telephone, and an addressbook entry flag associated with the flag field for specifying one or more addressbook entries to be retrieved.

29. (Currently Amended) The computer-readable medium of claim 17, further including an application instruction associated with the instruction field for identifying an application to be utilized by another service.

30. (Currently Amended) ~~In a mobile telephone short text messaging system~~A computer-implemented active message gateway method for short text messages that include an active message script, comprising:

receiving at an active message gateway a plurality of short text messages transmitted from a mobile telephone;

~~distinguishing among the, from the plurality of short text messages, script containing short text messages ones that include an active message script from ones that do not include an active message script, the short text messages that do not include an active message script including destination addresses corresponding to short text messaging destinations;~~

forwarding one or more the non-script containing short text messages that do not include an at least one active message script to the short text messaging destinations corresponding to the destination addresses;

interpreting the one or more active message scripts in the script containing short text messages that include it and transmitting any at least one corresponding response, wherein the at least one of the one or more active message scripts is executable on the active message gateway, and wherein the at least one at active message script or at least one other of the one or more active message scripts comprises at least one a command to facilitate an on-going negotiation between two or more users, wherein the command is to:

~~at least one of~~ rerun a prior active message script with a starting parameter different than a previous starting parameter, or

rerun a previously-installed active message script with a the different starting parameter ~~to facilitate an on-going negotiation between two or more users;~~

generating, by the active message gateway, at least one of an active message or an application based at least in part on the active message script; and

transmitting at least one of: one or more of the script containing short text messages containing active message scripts or one or more additional short text messages to the mobile telephone ~~wherein the active message scripts to install applications onto the mobile telephone~~provide at least one installable application to the mobile telephone;

~~accessing the installed applications from a phone menu;~~

~~executing the installed application at least one of in part or entirely on the mobile telephone; and~~

~~displaying an active message script to a user, the active message script provided by an active message script composition software as an application specified by a user.~~

31. (Currently Amended) The computer-implemented method of claim 30, further comprising authenticating that the mobile telephone is associated with the active message gateway prior to interpreting the active message script.

32. (Currently Amended) The computer-implemented method of claim 30, further comprising:

determining whether the active message script is to be executed locally by the active message gateway or remotely by an application server that is that is configured to be communicatively linked~~in computer network communication~~ with the active message gateway; and

executing the active message script at the active message gateway or the remote application server according to the determination.

33. (Currently Amended) The computer-implemented method of claim 32, wherein the active message script is executed at the remote application server, the method further comprising re-formatting the active message script at the active message gateway before transmitting the active message script to the remote application server for execution.

34. (Currently Amended) The computer-implemented method of claim 33, ~~in which~~wherein the active message script is re- formatted into an XML file format.

35. (Currently Amended) The computer-implemented method of claim 30, further comprising:

determining whether the active message script is to be executed locally by the active message gateway or remotely by another mobile telephone; and

executing the active message script at the active message gateway or at the other mobile telephone according to the determination.

36. (Currently Amended) A computer-readable medium embodying computer-executable instructions which, when executed by a processor, implement of a mobile telephone short text messaging system, the computer readable medium embodied with an active message gateway software for short text messages that include an active message script, comprising:

software for receiving, at an active message gateway, short text messages transmitted from a mobile telephone;

software for distinguishing among the short text messages ~~ones that include an active message script~~ script containing short text messages from non-script containing short text messages ~~ones that do not include an active message script, the non-script containing short text messages that do not include an active message script~~ including destination addresses corresponding to short text messaging destinations;

software for forwarding the script containing short text messages that ~~do not include an active message script~~ to the short text messaging destinations corresponding to the destination addresses;

software for interpreting, at an active message gateway, the active message script in the script containing short text messages that include it and transmitting any corresponding response, wherein the active message script comprises at least one gateway command for the active message gateway and at least one rerun command to facilitate an on-going negotiation between two or more users, wherein the at least one command is to:

at least one of rerun a prior active message script with a starting parameter different than a previous starting parameter, or

rerun a previously-installed active message script with a different the starting parameter ~~to facilitate an on-going negotiation between two or more users;~~

software for creating, at the active message gateway, at least one of an active message or an application based at least in part on the active message script; and

software for transmitting, at the active message gateway, at least one of: one or more of the script containing short text messages or one or more additional short text messages to the mobile telephone to provide at least one installable application to the mobile telephone ~~short text messages containing active message scripts to a mobile telephone, the active message scripts installs applications on the mobile telephone;~~

~~software for accessing the installed applications from a phone menu;~~

~~software for executing the installed application at least one of in part or entirely on the mobile telephone; and~~

~~software for displaying an active message script to a user, the active message script provided by an active message script composition software as an application specified by a user.~~

37. (Currently Amended) The computer-implemented medium of claim 36, further comprising software for authenticating that the mobile telephone is associated with the active message gateway prior to interpreting the active message script.

38. (Currently Amended) The computer-implemented medium of claim 36, further comprising:

software for determining whether the active message script is to be executed locally by the active message gateway or remotely by an application server that is configured to be communicatively linked in computer network communication with the active message gateway; and

software for executing the active message script at the active message gateway or the remote application server according to the determination.

39. (Currently Amended) The computer-implemented medium of claim 38, wherein the active message script is ~~executed~~ executable at the remote application server, the computer-implemented medium ~~method~~ further comprising software for reformatting the active message script at the active message gateway before transmitting the active message script to the remote application server for execution.

40. (Currently Amended) The computer-implemented medium of claim 39, ~~in which~~ wherein the active message script is ~~re-formatted~~ re-formattable into an XML file format.

41. (Currently Amended) The computer-implemented medium of claim 36, further comprising:

software for determining whether the active message script is to be executed locally by the active message gateway or remotely by another mobile telephone; and

software for executing the active message script at the active message gateway or at the other mobile telephone according to the determination.

42. (Currently Amended) The computer-implemented medium of claim 36, further comprising a GetServiceList active message command data structure ~~that returns~~for returning to the mobile telephone a list of services available through the active message gateway.

43. (Currently Amended) The computer-implemented medium of claim 36, further comprising a Getservice active message command data structure ~~that provides~~for providing a request for a particular service via the active message gateway.

44. (Currently Amended) The computer-implemented medium of claim 36, further comprising an InstallService active message command data structure that functions to obtain active message script for a service and install the active message script on the mobile telephone.

45. (Currently Amended) The computer-implemented medium of claim 36, further comprising a GetUserList active message command data structure ~~that returns~~for returning a list of users available through the active message gateway.

46. (Currently Amended) The computer-implemented medium of claim 36, further comprising a GetUser active message command data structure ~~that returns~~for returning information about, ~~or establishes~~establishing a connection with, a user available through the active message gateway.

47. (Currently Amended) The computer-implemented medium of claim 36, further comprising an AddUser active message command data structure ~~that adds~~for adding a designated user to a list of selected users maintained in association with the mobile telephone.

48. (Currently Amended) The computer-implemented medium of claim 36, further comprising at least one of:

a ~~Deleteuser~~ active message command data structure ~~that deletes for deleting~~ a user from a list of selected users maintained in association with the mobile telephone;

a SendMessage active message command data structure for sending a short text message that includes active message script; or

a ~~SendMessage~~ active message command data structure for sending a short text message that does not include active message script.

49. (Canceled)

50. (Currently Amended) The computer-readable medium of claim 36 further comprising ~~a SendMessage active message command data structure that sends a short text message that does not include active message script, wherein the short text messaging system further comprises:~~

software for accessing the installed applications from a phone menu associated with the mobile telephone; and

software for executing the installed application at least one of in part or entirely on the mobile telephone.

51. (New) The computer method of claim 30, further comprising:
accessing the at least one installable application from a phone menu associated with the mobile telephone;

executing the at least one installed application at least in part on the mobile telephone.